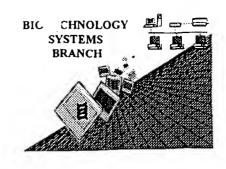
BEST AVAILABLE COPY

RAW SEQUENCE LISTING ERROR REPORT



* CW

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/831, 426Source: 19c + 09

Date Processed by STIC: 5-23-01

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,

2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216. PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax) PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST 25

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address: http://www.uspto.gov/web/offices/pac/checker

PCT09

RAW SEQUENCE LISTING DATE: 05/23/2001

PATENT APPLICATION: US/09/831,426 TIME: 15:44:24

Does Not Comply Corrected Diskette Needed

Input Set : A:\2503.APP.txt global errors Output Set: C:\CRF3\05232001\I831426.raw

3 <110> APPLICANT: Hoechst Marion Roussel

5 <120> TITLE OF INVENTION: HUMAN htfill GENE AND CODED htfillA PROTEIN

7 <130> FILE REFERENCE: 9823seq

C--> 9 <140> CURRENT APPLICATION NUMBER: US/09/831,426

C--> 10 <141> CURRENT FILING DATE: 2001-05-08

12 <160> NUMBER OF SEQ ID NOS: 10

14 <170> SOFTWARE: PatentIn Vers. 2.0

ERRORED SEQUENCES

-> Valid responses: DNA, BNA, PBT. 16 <210> SEQ ID NO: 1 17 <211> LENGTH: 1273 E--> 18 <212> TYPE:(ADN) -19 <213> ORGANISM: Human 21 <220> FEATURE: <400> 1 26 atgcgcagca gcggcgccga cgcggggcgg tgcctggtga ccgcgcgcgc tcccggaagt 60 Bespond with 28 gtgccggcgt cgcgcgaagg ttcagcaggg agccgtgggc cgggcgcgcc ggttcccggc 120 30 acgtgtctcg gcacgtggca gcgcgcctgg ccctgggctt ggaggcgccg gcgcc ctg 31 no text. 32 34 gat ccg ccg gcc gtg gtc gcc gag tcg gtg tcg tcc ttg acc atc gcc 35 Asp Pro Pro Ala Val Val Ala Glu Ser Val Ser Ser Leu Thr Ile Ala 38 gac gcg ttc att gca gcc ggc gag agc tca gct ccg acc ccg ccg cgc 274 39 Asp Ala Phe Ile Ala Ala Gly Glu Ser Ser Ala Pro Thr Pro Pro Arg 322 42 ccc qcq ctt ccc agg agg ttc atc tgc tcc ttc cct gac tgc agc gcc 43 Pro Ala Leu Pro Arg Arg Phe Ile Cys Ser Phe Pro Asp Cys Ser Ala 40 46 aat tac age aaa gee tgg aag ett gae geg eac etg tge aag eac aeg 370 47 Asn Tyr Ser Lys Ala Trp Lys Leu Asp Ala His Leu Cys Lys His Thr 55 60 50 ggg gag aga cca ttt gtt tgt gac tat gaa ggg tgt ggc aag gcc ttc 418 51 Gly Glu Arg Pro Phe Val Cys Asp Tyr Glu Gly Cys Gly Lys Ala Phe 466 54 atc agg gac tac cat ctg agc cgc cac att ctg act cac aca gga gaa 55 Ile Arg Asp Tyr His Leu Ser Arg His Ile Leu Thr His Thr Gly Glu 58 aag ccg ttt gtt tgt gca gcc act ggc tgt gat caa aaa ttc aac aca 514 59 Lys Pro Phe Val Cys Ala Ala Thr Gly Cys Asp Gln Lys Phe Asn Thr 105 110 62 aaa tca aac ttg aag aaa cat ttt gaa cgc aaa cat gaa aat caa caa 63 Lys Ser Asn Leu Lys Lys His Phe Glu Arg Lys His Glu Asn Gln Gln

The types of errors shown exist throughout the Sequence Listing. Please check file://C:\Crf3\ subsequent sequences for similar errors.

RAW SEQUENCE LISTING DATE: 05/23/2001 PATENT APPLICATION: US/09/831,426 TIME: 15:44:24

Input Set : A:\2503.APP.txt

Output Set: C:\CRF3\05232001\1831426.raw

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	66	aaa	caa	tat	ata	tgc	agt	ttt	gaa	gac	tgt	aag	aag	acc	ttt	aag	aaa	610
	67	Lys	Gln	Tyr	Ile	Cys	Ser	Phe	Glu	Asp	Cys	Lys	Lys	Thr	Phe	Lys	Lys	
	68	130		_		_	135					140					145	
	70	cat	caq	caq	ctg	aaa	atc	cat	cag	tgc	cag	cat	acc	aat	gaa	cct	cta	658
			_	_	Leu				_									
	72		-			150				-	155					160		
	_	ttc	aaσ	tat	acc	cag	gaa	gga	tat	aaa	aaa	cac	ttt	σca	tca	ccc	agc	706
					Thr													7
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	84		195					200					205					050
					cat													850
		_	Glu	Thr	His	Lys		Glu	Ile	Leu	Cys		Val	Cys	Arg	Lys		
		210					215					220					225	
					aaa													898
	91	Phe	Lys	Arg	Lys	Asp	Tyr	Leu	Lys	Gln	His	Met	Lys	Thr	His	Ala	Pro	
	92					230					235					240		
					gta													946
	95	Glu	Arg	Asp	Val	Cys	Arg	Cys	Pro	Arg	Glu	Gly	Cys	Gly	Arg	Thr	Tyr	
	96				245					250					255			
	98	act	act	qtq	ttt	aat	ctc	caa	agc	cat	atc	ctc	tcc	ttc	cat	gag	gaa	994
					Phe													
	100			260					265					270				
			cac	cat	: ttt	ato	r tat	gaa	cat	gct	: qqc	tqt	ggc	: aaa	aca	ttt	gca	1042
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	104		275					280			1	-1	285					
					agt	cto	act			act	att	ata	cat	gat	cct	gac	aag	1090
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		_			Ser	Thi	· Val			. Leu	ı Thr	Leu						
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129 <212> TYPE: PRT																		

RAW SEQUENCE LISTING DATE: 05/23/2001 PATENT APPLICATION: US/09/831,426 TIME: 15:44:24

Input Set : A:\2503.APP.txt

Output Set: C:\CRF3\05232001\I831426.raw

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RAW SEQUENCE LISTING DATE: 05/23/2001
PATENT APPLICATION: US/09/831,426 TIME: 15:44:24

Input Set : A:\2503.APP.txt

Output Set: C:\CRF3\05232001\I831426.raw

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     213 acgtgtctcg gcacgtggca gcgcgcctgg ccctgggctt ggaggcgccg gcgccctgga 180
     215 tecgeoggee gtggtegeeg agteggtgte gteettgace ategeogaeg egtteattge 240
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     223 cagggactac catctgagcc gccacattct gactcacaca ggagaaaagc cgtttgtttg 480
     225 tgcagccact ggctgtgatc aaaaattcaa cacaaaatca aacttgaaga aacattttga 540
     227 acgcaaacat gaaaatcaac aaaaacaata tatatgcagt tttgaagact gtaagaagac 600
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     264 tecgeeggee gtggtegeeg agteggtgte gteettgace ategeegaeg egtteattge 180
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     276 acgcaaacat gaaaatcaac aaaaacaata tatatgcagt tttgaagact gtaagaagac 540
     278 ctttaagaaa catcagcagc tgaaaatcca tcagtgccag cataccaatg aacctctatt 600
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RAW SEQUENCE LISTING DATE: 05/23/2001 PATENT APPLICATION: US/09/831,426 TIME: 15:44:24

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Output Set: C:\CRF3\05232001\I831426.raw

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		<210> SEQ ID NO: 5	
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		<210> SEQ ID NO: 6	•
		<211> LENGTH: _21	
E>		(212) TYPE: ADN .	
		(213) ORGANISM: Human Scep.	
E>		<400> SEQUENCE (0)	
		teetteeetg actgeagege e	21
	321	<210> SEQ ID NO: 7	
	322	<211> LENGTH: _20	
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		VEIS ONGANISM. INGINETY	
E>		<400> SEQUENCE: (0)	
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_		<213> ORGANISM: Human	
E>		<400> SEQUENCE 0	20
		cacaacaaa tggtctctcc	20
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F \		<211> LENGTH:-30 <212> TYPE (ADN)	
E>	347	<213> ORGANISM: Human See p.	
F>	344	<400> SEQUENCE (0)	
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E>	250	COLON MADE ADM	
	351	<213> ORGANISM: Human See	
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VERIFICATION SUMMARY DATE: 05/23/2001 PATENT APPLICATION: US/09/831,426 TIME: 15:44:25

Input Set : A:\2503.APP.txt

Output Set: C:\CRF3\05232001\1831426.raw

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